FCC TEST REPORT
FCC ID:2A7HQ-M3050-00

Report Number:	**ZHT-241021110W01-2**
Date of Test:	Oct. 21, 2024 to Nov. 19, 2024
Date of issue:	Nov. 20, 2024
Test Result :	PASS
Testing Laboratory:	**Guangdong Zhonghan Testing Technology Co., Ltd.**
Address :	Room 104, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Applicant's name :	**RITS ELECTRONICS(SHENZHEN)CO., LTD.**
Address :	Bld F, Chengjian Industrial Zone, No. 1 Lingxia Road Fenghuang Community, Fuyong District, Baoan Zone, ShenZhen City, GuangDong, China
Manufacturer's name :	**RITS ELECTRONICS(SHENZHEN)CO., LTD.**
Address :	Bld F, Chengjian Industrial Zone, No. 1 Lingxia Road Fenghuang Community, Fuyong District, Baoan Zone, ShenZhen City, GuangDong, China
Test specification:	
Standard:	FCC CFR 47 PART 1 , 1.1310
Test procedure:	KDB 680106 D01 Wireless Power Transfer v04
Non-standard test method :	N/A

This device described above has been tested by ZHT, and the test resul/ show that the equipment under test (EUT) is in compliance with the FCC requiremen/. And it is applicable only to the tested sample identified in the report.

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**Product name: **	**Wireless Charging Car Holder**
Trademark :	Mighty Mount
Model/Type reference:	M3050-00
Model Difference:	/
Ratings:	Input: 5-12V Wireless output:5 W/7.5 W/10 W/15 W

Testing procedure and testing location:

Testing Laboratory.....:	Guangdong Zhonghan Testing Technology Co., Ltd.
Address.....:	Room 104, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Tested by (name + signature).....:	Kimi Lu
Reviewer (name + signature).....:	Baret Wu
Approved (name + signature).....:	Levi Lee

RF Exposure Evaluation

Product Name:	Wireless Charging Car Holder
Product Model No.:	M3050-00
Test Auxiliary:	Wireless charging load
Transmitting mode:	Keep the EUT in continuously wireless charging mode

Test Modes:	
Mode 1	AC adapter wireless charging(15W)
Mode 2	AC adapter wireless charging(10W)
Mode 3	AC adapter wireless charging(7.5W)
Mode 4	AC adapter wireless charging(5W)
Note:All full load, half load, and no-load tests have been conducted in each mode, only the worst-case was recorded in the report. Mode 1 full load is the worst mode. 2.The EUT not supports portable use.	

Auxiliary equipment

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Wireless charging load	N/A	EESON	N/A	AE
E-2	AC adapter	N/A	CHG-WALL-PD-45W	N/A	AE

1 Measuring Standard

KDB 680106 D01 Wireless Power Transfer v04

2 Requirements

According to the item 5 of KDB 680106 D01 v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

(1) Mobile Device Configurations.

(2) Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz.

(3) The aggregate H-field strengths anywhere at or beyond 20 cm surrounding the device, and 20 cm away from the top surface.

3 Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

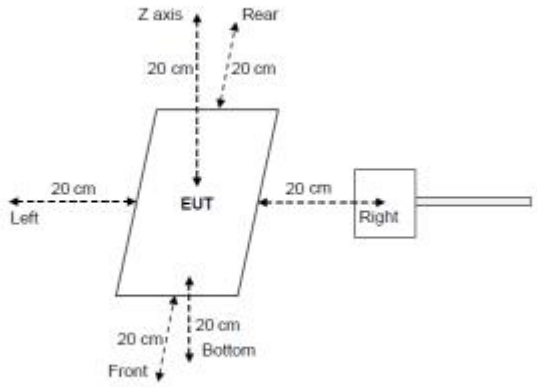
Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*($900/f^2$)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*($180/f^2$)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

F=frequency in MHz
*=Plane-wave equivalent power density
RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

4 Test Setup

For mobile exposure conditions:



5 Test Procedure

1) The RF exposure test was performed in anechoic chamber.

2) The measurement probe was placed at test distance (20 cm from all sides and 20 cm from the top) which is between the edge of the charger and the geometric center of probe.

3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.

4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

Remark：The EUT’s test position A, B, C, D and E is valid for the E and H field measurements.

6 Test Instruments list

Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
Near-field Electric and Electric Field Sensor System	SPEAG	MAGPy-8H3D+ED3 V2	3101	Mar. 12, 2024	Mar. 11, 2026
Test software: MAGPY.exe V2.6					

7 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	H-field	±0.7dB
2	E-field	±1.06dB

Decision Rule

☒ Uncertainty is not included

☐ Uncertainty is included

8 Test Result

The above test modes all include full load,empty load,and half load, The worst-case state reflected in this report is the fully loaded state.

E-Filed Strength at 20 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	50%Limits (V/m)	Limits (V/m)	test result
0.1101-0.205	0.24	0.75	0.36	0.64	307	614	PASS

E-Filed Strength at 20 cm from the top of the EUT (V/m)

Frequency Range (MHz)	Test Position E	50%Limits (V/m)	Limits (V/m)	test result
0.1101-0.205	0.84	307	614	PASS

H-Filed Strength at 20 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	50%Limits (V/m)	Limits (A/m)	test result
0.1101-0.205	0.52	0.55	0.18	0.34	0.815	1.63	PASS

H-Filed Strength at 20 cm from the top of the EUT (A/m)

Frequency Range (MHz)	Test Position E	50%Limits (V/m)	Limits (A/m)	test result
0.1101-0.205	0.214	0.815	1.63	PASS

9 Test Set-up Photo